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name: <unnamed>
log: C:\Users\hortalav\Dropbox\Research\_Submitted\RestrictChoice\RestrictChoi
> ce (shared)\NewApproach(June2013)\Replication files\replication_table_1.smcl
log type: smcl
opened on: 19 Apr 2016, 09:20:08

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1 .
2 . ** IMPORT TEXT DATA CREATED BY MATLAB **
3 . import delimited results_simulation_RC_bootstrap_A2.txt, delimiter(comma) varnames(1
> ) case(preserve) clear
(12 vars, 1000000 obs)

4 . save results_simulation_RC_bootstrap_A2.dta, replace
file results_simulation_RC_bootstrap_A2.dta saved

5 . import delimited results_simulation_RC_bootstrap_B2.txt, delimiter(comma) varnames(1
> ) case(preserve) clear
(28 vars, 1000000 obs)

6 . save results_simulation_RC_bootstrap_B2.dta, replace
file results_simulation_RC_bootstrap_B2.dta saved

7 . use results_simulation_RC_bootstrap_A2.dta, clear

8 . merge 1:1 step using results_simulation_RC_bootstrap_B2.dta

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Result	# of obs.
not matched	0
matched	1,000,000 (_merge==3)

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9 . drop _merge

10. save results_simulation_RC_bootstrap_2.dta, replace
file results_simulation_RC_bootstrap_2.dta saved

11.
12. ** CREATE AND RENAME VARIABLES **
13. use results_simulation_RC_bootstrap_2.dta, clear

14. rename cost OLD_cost

15. gen cost = round(p*alpha*ln(T1_NR)+(1-p)*alpha*ln(T2_NR)-p*alpha*ln(T1_R)-(1-p)*alph
> a* ln(T2_R),0.000000001)

16. gen cost_d = (cost>0)

17. replace cost_d = -1 if cost<0
(279055 real changes made)

18. tab cost_d

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cost_d	Freq.	Percent	Cum.
-1	279,055	27.91	27.91
0	554,213	55.42	83.33
1	166,732	16.67	100.00
Total	1,000,000	100.00	

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19. gen sigma_dif = abs(sigma_1-sigma_2)
20. gen mu_dif     = abs(  mu_1-   mu_2)
21. gen w_1=mu_1+(sigma_1^2)/2
22. gen w_2=mu_2+(sigma_2^2)/2
23. gen w_dif = abs(w_1-w_2)
24. gen y2 = y^2
25. gen no_diff_NR = (t1_NR==t2_NR)
26. gen no_diff_R  = (t1_R==t2_R)
27. tab cost_d no_diff_NR

```

cost_d	no_diff_NR		Total
	0	1	
-1	279,055	0	279,055
0	0	554,213	554,213
1	166,732	0	166,732
Total	445,787	554,213	1,000,000

```

28. tab no_diff_NR no_diff_R

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no_diff_NR	no_diff_R		Total
	0	1	
0	133,959	311,828	445,787
1	0	554,213	554,213
Total	133,959	866,041	1,000,000

```

29.
30. /* In 55% of our observations there is no difference between the policies
> adopted by the median voter in the two states of the worlds (when no restr.).
> This almost perfectly coincides with the observations when the costs of restr
> is zero (there are 12 observations in which it is not). */
31.
32.
33. ** TABLE 1 **
34. sum cost y y2 alpha abst_1 p mu_1 mu_2 sigma_1 sigma_2 A B w_dif if cost!=0

```

Variable	Obs	Mean	Std. Dev.	Min	Max
cost	445787	-.1191845	.37876	-3.376392	3.463336
y	445787	.5009529	.2886652	5.00e-06	.999996
y2	445787	.3342813	.2983952	2.50e-11	.999992
alpha	445787	.6056389	.2199777	.000014	.999993
abst_1	445787	.6280014	.3599294	0	1
p	445787	.4998344	.2887228	2.00e-06	.999987
mu_1	445787	5.064289	.7620091	4.00001	6.999984
mu_2	445787	5.937222	.7642616	4.000021	7
sigma_1	445787	.6549535	.4071636	0	1.499998
sigma_2	445787	.8555449	.4435903	5.00e-06	1.5
A	445787	.746447	.4360519	9.00e-06	1.499995
B	445787	.8893961	.3841119	.000047	1.5
w_dif	445787	1.174097	.7908221	9.54e-07	4.063451

35. corr cost y y2 alpha abst_1 p mu_1 mu_2 sigma_1 sigma_2 A B w_dif if cost!=0
(obs=445787)

	cost	y	y2	alpha	abst_1	p	mu_1	mu_2
> sigma_1	sigma_2	A	B	w_dif				
cost	1.0000							
y	0.3291	1.0000						
y2	0.3408	0.9683	1.0000					
alpha	0.0020	-0.0017	-0.0017	1.0000				
abst_1	-0.1304	0.0568	0.0469	-0.1926	1.0000			
p	-0.4942	0.0018	0.0010	-0.0020	0.0033	1.0000		
mu_1	0.0570	-0.0001	0.0000	0.1140	-0.4243	0.0001	1.0000	
mu_2	-0.0572	0.0013	0.0009	-0.1186	0.4259	-0.0001	0.1951	1.0000
sigma_1	-0.0055	-0.0003	0.0001	0.0304	-0.0147	0.0017	-0.0921	0.0914
> 1.0000								
sigma_2	0.0175	-0.0012	-0.0009	0.1590	-0.3194	-0.0002	0.1134	-0.1133
> 0.0263	1.0000							
A	-0.0953	0.0004	0.0006	0.1415	0.0136	-0.0012	-0.0117	0.0090
> -0.0070	-0.0120	1.0000						
B	0.0651	-0.0017	-0.0017	0.4158	0.0464	0.0002	0.0040	-0.0090
> -0.0015	-0.1070	-0.0911	1.0000					
w_dif	-0.0935	0.0028	0.0025	-0.1099	0.4217	0.0004	-0.4298	0.4338
> -0.2125	0.2390	0.0118	-0.0664	1.0000				

36. reg cost y alpha abst_1 p mu_1 mu_2 sigma_1 sigma_2 A B if cost!=0

Source	SS	df	MS	Number of obs = 445787		
Model	24995.9084	10	2499.59084	F(10,445776) = 28602.85		
Residual	38956.1797445776		.087389585	Prob > F = 0.0000		
Total	63952.0881445786		.143459167	R-squared = 0.3909		
				Adj R-squared = 0.3908		
				Root MSE = .29562		

cost	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
y	.4466225	.0015387	290.26	0.000	.4436068	.4496383
alpha	-.087082	.0023694	-36.75	0.000	-.091726	-.082438
abst_1	-.1916004	.0017548	-109.19	0.000	-.1950396	-.1881611
p	-.6486035	.0015335	-422.95	0.000	-.6516091	-.6455978
mu_1	-.0087415	.0007375	-11.85	0.000	-.010187	-.007296
mu_2	.0085725	.0007361	11.65	0.000	.0071298	.0100152
sigma_1	-.0082207	.0011133	-7.38	0.000	-.0104027	-.0060386
sigma_2	-.0169631	.0010762	-15.76	0.000	-.0190724	-.0148537
A	-.0687842	.0010444	-65.86	0.000	-.0708312	-.06667371
B	.0849295	.0013188	64.40	0.000	.0823447	.0875143
_cons	.1434157	.0048257	29.72	0.000	.1339574	.1528739

37. outreg using RestrictChoice_Simulation.tex, replace bdec(4) se tex varlabels starlev
> els(10 5 1) sigsymbols(+,*,**) ctitle("", "(1)")
(note: file RestrictChoice_Simulation.tex not found)

(1)	
y	0.4466 (0.0015)**
alpha	-0.0871 (0.0024)**
abst_1	-0.1916 (0.0018)**
p	-0.6486 (0.0015)**
mu_1	-0.0087 (0.0007)**
mu_2	0.0086 (0.0007)**
sigma_1	-0.0082 (0.0011)**

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sigma_2    -0.0170
            (0.0011)**
A           -0.0688
            (0.0010)**
B           0.0849
            (0.0013)**
Constant   0.1434
            (0.0048)**
R2          0.39
N          445,787
    
```

+ p<0.1; * p<0.05; ** p<0.01

38. reg cost y y2 alpha abst_1 p mu_1 mu_2 sigma_1 sigma_2 A B if cost!=0

Source	SS	df	MS	Number of obs = 445787	
Model	25419.8189	11	2310.89263	F(11,445775) =	26734.43
Residual	38532.2692445775		.08643883	Prob > F =	0.0000
Total	63952.0881445786		.143459167	R-squared =	0.3975
				Adj R-squared =	0.3975
				Root MSE =	.294

cost	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
y	.0317932	.0061181	5.20	0.000	.019802	.0437845
y2	.4140666	.0059127	70.03	0.000	.4024779	.4256554
alpha	-.0862844	.0023565	-36.62	0.000	-.0909031	-.0816657
abst_1	-.1861728	.0017469	-106.57	0.000	-.1895967	-.182749
p	-.6482758	.0015252	-425.05	0.000	-.6512651	-.6452865
mu_1	-.007499	.0007337	-10.22	0.000	-.008937	-.006061
mu_2	.0073553	.0007323	10.04	0.000	.00592	.0087905
sigma_1	-.0078929	.0011072	-7.13	0.000	-.0100631	-.0057228
sigma_2	-.0162284	.0010704	-15.16	0.000	-.0183263	-.0141304
A	-.0689432	.0010387	-66.37	0.000	-.0709791	-.0669074
B	.0845708	.0013116	64.48	0.000	.082	.0871416
_cons	.2092849	.0048907	42.79	0.000	.1996992	.2188705

39. outreg using RestrictChoice_Simulation.tex, merge bdec(4) se tex varlabels starlevel
 > s(10 5 1) sigsymbols(+,*,**) ctitle("", "(2)")

	(1)	(2)
y	0.4466 (0.0015)**	0.0318 (0.0061)**
alpha	-0.0871 (0.0024)**	-0.0863 (0.0024)**
abst_1	-0.1916 (0.0018)**	-0.1862 (0.0017)**
p	-0.6486 (0.0015)**	-0.6483 (0.0015)**
mu_1	-0.0087 (0.0007)**	-0.0075 (0.0007)**
mu_2	0.0086 (0.0007)**	0.0074 (0.0007)**
sigma_1	-0.0082 (0.0011)**	-0.0079 (0.0011)**
sigma_2	-0.0170 (0.0011)**	-0.0162 (0.0011)**
A	-0.0688 (0.0010)**	-0.0689 (0.0010)**
B	0.0849 (0.0013)**	0.0846 (0.0013)**
y2		0.4141 (0.0059)**
Constant	0.1434 (0.0048)**	0.2093 (0.0049)**
R2	0.39	0.40
N	445,787	445,787

+ p<0.1; * p<0.05; ** p<0.01

40. reg cost y y2 alpha abst_1 p mu_1 mu_2 sigma_1 sigma_2 A B w_dif if cost!=0

Source	SS	df	MS	Number of obs = 445787		
Model	25600.9356	12	2133.4113	F(12,445774) = 24797.67		
Residual	38351.1525445774		.086032726	Prob > F = 0.0000		
Total	63952.0881445786		.143459167	R-squared = 0.4003		
				Adj R-squared = 0.4003		
				Root MSE = .29331		

cost	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
y	.0316625	.0061037	5.19	0.000	.0196995	.0436256
y2	.4144024	.0058988	70.25	0.000	.4028409	.4259639
alpha	-.087941	.0023513	-37.40	0.000	-.0925494	-.0833326
abst_1	-.1849641	.001743	-106.12	0.000	-.1883803	-.1815479
p	-.6481276	.0015216	-425.95	0.000	-.6511099	-.6451454
mu_1	-.0379991	.0009888	-38.43	0.000	-.0399371	-.0360612
mu_2	.0379127	.0009886	38.35	0.000	.0359752	.0398502
sigma_1	-.0388359	.0012942	-30.01	0.000	-.0413725	-.0362993
sigma_2	.0169127	.0012892	13.12	0.000	.0143858	.0194395
A	-.0688337	.0010363	-66.42	0.000	-.0708648	-.0668026
B	.0832971	.0013088	63.64	0.000	.0807318	.0858624
w_dif	-.0473235	.0010314	-45.88	0.000	-.049345	-.045302
_cons	.2309694	.004902	47.12	0.000	.2213616	.2405772

41. outreg using RestrictChoice_Simulation.tex, merge bdec(4) se tex varlabels starlevel
> s(10 5 1) sigsymbols(+,*,**) ctitle("", "(3)")

	(1)	(2)	(3)
y	0.4466 (0.0015)**	0.0318 (0.0061)**	0.0317 (0.0061)**
alpha	-0.0871 (0.0024)**	-0.0863 (0.0024)**	-0.0879 (0.0024)**
abst_1	-0.1916 (0.0018)**	-0.1862 (0.0017)**	-0.1850 (0.0017)**
p	-0.6486 (0.0015)**	-0.6483 (0.0015)**	-0.6481 (0.0015)**
mu_1	-0.0087 (0.0007)**	-0.0075 (0.0007)**	-0.0380 (0.0010)**
mu_2	0.0086 (0.0007)**	0.0074 (0.0007)**	0.0379 (0.0010)**
sigma_1	-0.0082 (0.0011)**	-0.0079 (0.0011)**	-0.0388 (0.0013)**
sigma_2	-0.0170 (0.0011)**	-0.0162 (0.0011)**	0.0169 (0.0013)**
A	-0.0688 (0.0010)**	-0.0689 (0.0010)**	-0.0688 (0.0010)**
B	0.0849 (0.0013)**	0.0846 (0.0013)**	0.0833 (0.0013)**
y2		0.4141 (0.0059)**	0.4144 (0.0059)**
w_dif			-0.0473 (0.0010)**
Constant	0.1434 (0.0048)**	0.2093 (0.0049)**	0.2310 (0.0049)**
R2	0.39	0.40	0.40
N	445,787	445,787	445,787

+ p<0.1; * p<0.05; ** p<0.01

42.

43. log close

name: <unnamed>

log: C:\Users\hortalav\Dropbox\Research_Submitted\RestrictChoice\RestrictChoi

> ce (shared)\NewApproach(June2013)\Replication files\replication_table_1.smcl

log type: smcl

closed on: 19 Apr 2016, 09:21:10
